BUS Cables

E-BUS

HELUKABEL

PVC

Type	**2-pairs**	**2-pairs**
Cable structure	**2x2x0.8 mm**	**2x2x0.8 mm**
Inner conductor:	Copper, bare	Copper, bare
Core insulation:	PVC	PVC
Core colours:	wh, ye, rd, bk	wh, ye, rd, bk
Stranding element:	Star quad	Star quad
Shielding 1:	Polyester foil over stranded bundle	Polyester foil over stranded bundle
Shielding 2:	-	-
Total shielding:	Polyester foil, aluminium-lined	Polyester foil, aluminium-lined
Drain wire:	yes	yes
Outer sheath material:	PVC	PVC
Cable external diameter:	approx. 6,6 mm ± 0,3 mm	approx. 6,6 mm ± 0,3 mm
Outer sheath colour:	Blue Lilac similar to RAL 4005	Green similar to RAL 6010
Electrical data		
Characteristic impedance:	100 Ohm	100 Ohm
Conductor resistance, max.:	73,2 Ohm/km	73,2 Ohm/km
Insulation resistance, min.:	0,1 GOhm x km	0,1 GOhm x km
Loop resistance:	146 Ohm/km max.	146 Ohm/km max.
Mutual capacitance:	100 nF/km nom.	100 nF/km nom.
Technical data		
Weight:	approx. 54 kg/km	approx. 54 kg/km
bending radius, repeated:	95 mm	95 mm
Operating temperature range min.:	-30°C	-30°C
Operating temperature range max.:	+70°C	+70°C
Caloric load, approx. value:	0,90 MJ/m	0,90 MJ/m
Copper weight:	25,00 kg/km	25,00 kg/km
Norms		
Applicable standards:	EIB standard	EIB standard

Application

The E-bus cable is used for the transmission of bus signals for intelligent systems in buildings. The cables ensure perfect communication in accordance with EIB regulations (European installation bus). They can be layed over, in, or below the plaster, in pipes and pipe ducts, in dry, moist, and wet areas, as well as outside, provided they are protected against direct exposure to the sun. Wiring together with high-power supply cables is possible without limitation. The EIB bus can be used to control lighting, blinds, heating, ventilation, indicator boards, etc.

Part no.		
	81081, E-BUS	**81663,** E-BUS

Dimensions and specifications may be changed without prior notice.